

What is claimed is:

1. A rake reception apparatus which receives and
2 rake-combines spread signals on a path basis,
3 comprising:
 - 4 a plurality of finger receivers which
 - 5 de-spread reception signals on a path basis;
 - 6 a switch which sequentially selects de-spread
 - 7 data one by one on a path basis which are output from
 - 8 said plurality of finger receivers;
 - 9 an adder which adds the data selected by said
 - 10 switch to a rake combining interim result corresponding
 - 11 to the data and outputs the result as a rake combining
 - 12 interim result after updating; and
 - 13 a buffer which holds the rake combining
 - 14 interim result output from said adder and outputs a rake
 - 15 combining interim result corresponding to data selected
 - 16 by said switch to said adder.
2. An apparatus according to claim 1, wherein
2 said buffer outputs, as a rake combining result, a rake
3 combining interim result after addition of data from all
4 paths which are to be rake-combined.
3. An apparatus according to claim 1, further
2 comprising a plurality of registers which respectively
3 hold de-spread data on a path basis which are output

4 from said finger receivers,
5 wherein said switch sequentially selects the
6 data held in said plurality of registers.

4. An apparatus according to claim 3, wherein
2 said switch sequentially selects the data held in said
3 plurality of registers at intervals of cycles equal in
4 number to a sum obtained by adding one to the number of
5 fingers which is equal in number to said finger
6 receivers.

5. An apparatus according to claim 1, wherein
2 said buffer holds rake combining interim results equal
3 in number to a quotient obtained by dividing a maximum
4 time difference between arrival timings of data through
5 paths by one data interval.

6. A rake reception method of receiving and
2 rake-combining spread signals on a path basis,
3 comprising:
4 the step of de-spreading reception signals on
5 a path basis;
6 the step of sequentially selecting de-spread
7 data one by one on a path basis; and
8 the step of adding selected data to a rake
9 combining interim result corresponding to the data, and
10 outputting the result as a rake combining interim result

11 after updating.

7. A method according to claim 6, further
2 comprising the step of outputting, as a rake combining
3 result, a rake combining interim result after addition
4 of data from all paths which are to be rake-combined.

8. A method according to claim 6, further
2 comprising the step of holding de-spread data on a path
3 basis, and
4 the step of sequentially selecting includes
5 the step of sequentially selecting the held data.

9. A method according to claim 8, wherein
2 the step of de-spreading includes the step of
3 de-spreading reception signals on a path basis by using
4 a plurality of finger receivers, and
5 the step of sequentially selecting includes
6 the step of sequentially selecting the held data at
7 intervals of cycles equal in number to a sum obtained by
8 adding one to the number of fingers which is equal in
9 number to said finger receivers.